

Test SKU: SKU #1 (With LUXSHARE-ICT ANT)

Tones: 26T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 0			RU Index 4			RU Index 8				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE20	5	5955	26T	-5.58	-5.45	N/A	-5.30	-5.29	N/A	-5.57	-5.63	N/A	4.94	2.66
		6175		-6.73	-6.40	N/A	-6.66	-6.29	N/A	-6.81	-6.68	N/A	3.06	-0.40
		6415		-8.66	-8.36	N/A	-8.53	-8.39	N/A	-8.61	-8.50	N/A	1.47	-3.98
	6	6435		-8.76	-8.65	N/A	-8.52	-8.32	N/A	-9.13	-8.66	N/A	1.47	-3.94
		6475		-8.70	-8.65	N/A	-8.61	-8.26	N/A	-8.93	-8.75	N/A	0.23	-5.19
		6515		-8.76	-8.58	N/A	-8.66	-8.78	N/A	-8.95	-8.91	N/A	0.23	-5.43
	7	6535		-9.55	-9.63	N/A	-9.24	-9.49	N/A	-9.28	-9.42	N/A	0.23	-6.11
		6695		-8.98	-8.79	N/A	-8.98	-8.53	N/A	-9.33	-8.82	N/A	-0.34	-6.08
		6855		-9.52	-9.28	N/A	-9.25	-9.31	N/A	-9.63	-9.55	N/A	-0.40	-6.67
	8	6875		-9.82	-9.63	N/A	-9.39	-9.61	N/A	-9.80	-9.63	N/A	-0.57	-7.06
		6995		-7.89	-8.49	N/A	-7.94	-8.46	N/A	-8.16	-8.77	N/A	-0.74	-5.91
		7115		-6.66	-7.51	N/A	-6.84	-7.58	N/A	-7.50	-8.36	N/A	-2.42	-6.47

- Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
 2. EIRP limit is 24dBm
 3. Duty cycle factor is not applicable for duty cycle > 98%.
 4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
 Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
 Directional gain:
 5925MHz: Directional gain = $10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94$ dBi
 6025MHz: Directional gain = $10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17$ dBi
 6125MHz: Directional gain = $10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08$ dBi
 6225MHz: Directional gain = $10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06$ dBi
 6325MHz: Directional gain = $10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07$ dBi
 6425MHz: Directional gain = $10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47$ dBi
 6525MHz: Directional gain = $10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23$ dBi
 6625MHz: Directional gain = $10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49$ dBi
 6725MHz: Directional gain = $10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34$ dBi
 6825MHz: Directional gain = $10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40$ dBi
 6925MHz: Directional gain = $10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57$ dBi
 7025MHz: Directional gain = $10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74$ dBi
 7125MHz: Directional gain = $10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42$ dBi
 The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
 5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 0			RU Index 8			RU Index 17				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE40	5	5965	26T	-5.64	-5.62	N/A	-5.77	-5.48	N/A	-5.89	-5.48	N/A	4.94	2.33
		6165		-6.40	-6.38	N/A	-6.54	-6.75	N/A	-7.01	-6.50	N/A	3.08	-0.30
		6405		-8.44	-8.27	N/A	-8.56	-8.41	N/A	-8.79	-8.84	N/A	1.47	-3.87
	6	6445		-8.79	-8.65	N/A	-9.02	-8.55	N/A	-9.11	-8.78	N/A	1.47	-4.24
		6485		-8.90	-8.78	N/A	-8.88	-8.71	N/A	-8.90	-8.90	N/A	0.23	-5.55
	7	6525		-8.63	-8.68	N/A	-8.66	-8.81	N/A	-8.74	-8.95	N/A	0.23	-5.41
		6685		-9.22	-8.88	N/A	-9.35	-9.04	N/A	-9.20	-9.13	N/A	-0.34	-6.38
		6845		-9.24	-9.28	N/A	-9.67	-9.39	N/A	-9.62	-9.54	N/A	-0.40	-6.65
	8	6885		-9.76	-9.73	N/A	-9.77	-9.71	N/A	-10.02	-18.88	N/A	-0.57	-7.30
		7005		-8.28	-8.74	N/A	-8.06	-8.86	N/A	-8.06	-8.63	N/A	-0.74	-6.07
		7085		-6.71	-7.53	N/A	-6.78	-7.79	N/A	-7.06	-7.70	N/A	-2.42	-6.51

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 0			RU Index 18			RU Index 36				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE80	5	5985	26T	-5.62	-5.48	N/A	-5.03	-4.84	N/A	-6.08	-5.67	N/A	4.17	2.25
		6145		-6.51	-6.46	N/A	-6.00	-6.05	N/A	-7.02	-6.98	N/A	3.08	0.07
		6385		-8.39	-8.40	N/A	-7.95	-8.11	N/A	-9.10	-8.79	N/A	1.47	-3.55
	6	6465		-9.31	-8.85	N/A	-8.72	-8.16	N/A	-9.10	-9.22	N/A	1.47	-3.95
		6545		-9.07	-9.25	N/A	-8.48	-8.50	N/A	-9.00	-9.00	N/A	0.23	-5.25
	7	6625		-9.55	-9.62	N/A	-8.68	-8.69	N/A	-9.49	-9.15	N/A	-0.49	-6.16
		6705		-9.57	-9.01	N/A	-9.04	-8.58	N/A	-10.05	-9.30	N/A	-0.34	-6.13
		6785		-9.00	-9.00	N/A	-8.46	-8.40	N/A	-9.78	-9.38	N/A	-0.40	-5.82
	8	6865		-9.64	-9.48	N/A	-9.50	-9.33	N/A	-10.42	-10.25	N/A	-0.40	-6.80
		6945		-8.65	-7.84	N/A	-9.46	-9.19	N/A	-10.30	-10.26	N/A	-0.57	-5.79
		7025		-8.38	-8.92	N/A	-7.52	-8.34	N/A	-8.17	-8.95	N/A	-0.74	-5.64

- Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
 2. EIRP limit is 24dBm
 3. Duty cycle factor is not applicable for duty cycle > 98%.
 4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
 Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
 Directional gain:
 5925MHz: Directional gain = $10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94$ dBi
 6025MHz: Directional gain = $10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17$ dBi
 6125MHz: Directional gain = $10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08$ dBi
 6225MHz: Directional gain = $10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06$ dBi
 6325MHz: Directional gain = $10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07$ dBi
 6425MHz: Directional gain = $10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47$ dBi
 6525MHz: Directional gain = $10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23$ dBi
 6625MHz: Directional gain = $10 \log[(10^{-0.481/10} + 10^{0.490/10})/2] = -0.49$ dBi
 6725MHz: Directional gain = $10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34$ dBi
 6825MHz: Directional gain = $10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40$ dBi
 6925MHz: Directional gain = $10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57$ dBi
 7025MHz: Directional gain = $10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74$ dBi
 7125MHz: Directional gain = $10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42$ dBi
 The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
 5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 0			RU Index 18			RU Index 36				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	26T	-7.51	-7.28	N/A	-6.07	-5.97	N/A	-5.65	-5.24	N/A	4.17	1.74
		6185		-8.11	-7.91	N/A	-6.78	-6.67	N/A	-6.75	-6.76	N/A	3.06	-0.65
		6345		-9.10	-9.40	N/A	-8.24	-7.86	N/A	-8.14	-7.73	N/A	2.07	-2.85
	6	6505		-10.19	-10.14	N/A	-9.02	-8.54	N/A	-8.74	-8.32	N/A	0.23	-5.28
	7	6665		-10.83	-10.54	N/A	-9.12	-9.03	N/A	-9.00	-8.85	N/A	-0.49	-6.40
		6825		-10.22	-9.88	N/A	-8.91	-9.02	N/A	-8.96	-8.99	N/A	-0.40	-6.35
	8	6985		-9.91	-10.01	N/A	-8.41	-8.95	N/A	-7.90	-8.50	N/A	-0.74	-5.92

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S0			RU Index S18			RU Index S36				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	26T	-5.70	-5.21	N/A	-6.45	-5.75	N/A	-7.79	-7.27	N/A	4.17	1.73
		6185		-6.95	-6.69	N/A	-7.69	-7.18	N/A	-9.55	-9.17	N/A	3.06	-0.75
		6345		-8.17	-7.76	N/A	-8.58	-8.65	N/A	-9.80	-9.80	N/A	2.07	-2.88
	6	6505		-8.48	-8.51	N/A	-8.54	-8.96	N/A	-9.87	-10.29	N/A	0.23	-5.25
	7	6665		-8.72	-8.78	N/A	-9.52	-9.18	N/A	-10.81	-10.39	N/A	-0.49	-6.23
		6825		-9.01	-9.20	N/A	-9.59	-9.89	N/A	-11.48	-11.43	N/A	-0.40	-6.49
	8	6985		-7.85	-8.48	N/A	-8.23	-8.98	N/A	-9.34	-10.14	N/A	-0.74	-5.88

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94\text{dBi}$$

$$6025\text{MHz: Directional gain} = 10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17\text{dBi}$$

$$6125\text{MHz: Directional gain} = 10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08\text{dBi}$$

$$6225\text{MHz: Directional gain} = 10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06\text{dBi}$$

$$6325\text{MHz: Directional gain} = 10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07\text{dBi}$$

$$6425\text{MHz: Directional gain} = 10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23\text{dBi}$$

$$6625\text{MHz: Directional gain} = 10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49\text{dBi}$$

$$6725\text{MHz: Directional gain} = 10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34\text{dBi}$$

$$6825\text{MHz: Directional gain} = 10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40\text{dBi}$$

$$6925\text{MHz: Directional gain} = 10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57\text{dBi}$$

$$7025\text{MHz: Directional gain} = 10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Tones: 52T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 37			RU Index 39			RU Index 40				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE20	5	5955	52T	-2.49	-2.36	N/A	-2.57	-2.21	N/A	-2.71	-2.19	N/A	4.94	5.564
		6175		-3.69	-3.48	N/A	-3.70	-3.43	N/A	-3.56	-3.75	N/A	3.06	2.507
		6415		-5.48	-5.35	N/A	-5.61	-5.49	N/A	-5.62	-5.56	N/A	1.47	-0.934
	6	6435		-5.93	-5.27	N/A	-5.93	-5.52	N/A	-6.01	-5.52	N/A	1.47	-1.107
		6475		-5.73	-5.69	N/A	-5.85	-5.43	N/A	-5.71	-5.49	N/A	0.23	-2.358
		6515		-5.71	-5.76	N/A	-5.65	-5.49	N/A	-5.73	-5.80	N/A	0.23	-2.329
	7	6535		-6.64	-6.25	N/A	-6.46	-6.40	N/A	-6.29	-6.41	N/A	0.23	-3.109
		6695		-6.14	-5.65	N/A	-5.95	-5.59	N/A	-6.37	-5.89	N/A	-0.34	-3.096
		6855		-6.71	-6.44	N/A	-6.68	-6.54	N/A	-6.61	-6.65	N/A	-0.40	-3.963
	8	6875		-6.62	-6.47	N/A	-6.80	-6.47	N/A	-6.68	-6.92	N/A	-0.57	-4.104
		6995		-5.28	-5.57	N/A	-4.98	-5.57	N/A	-5.06	-5.87	N/A	-0.74	-2.995
		7115		-3.79	-4.47	N/A	-3.58	-4.35	N/A	-7.40	-8.19	N/A	-2.42	-3.358

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

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$$6025\text{MHz: Directional gain} = 10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17\text{dBi}$$

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$$6425\text{MHz: Directional gain} = 10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47\text{dBi}$$

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$$7125\text{MHz: Directional gain} = 10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 37			RU Index 40			RU Index 44				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE40	5	5965	52T	-2.81	-2.47	N/A	-2.72	-2.43	N/A	-2.92	-2.36	N/A	4.94	5.38
		6165		-3.63	-3.37	N/A	-3.47	-3.49	N/A	-3.72	-3.62	N/A	3.08	2.61
		6405		-5.71	-5.51	N/A	-5.67	-5.51	N/A	-5.63	-5.52	N/A	1.47	-1.09
	6	6445		-6.06	-5.38	N/A	-5.99	-5.71	N/A	-5.74	-5.66	N/A	1.47	-1.22
		6485		-5.76	-5.52	N/A	-5.88	-5.67	N/A	-5.95	-5.84	N/A	0.23	-2.40
	7	6525		-5.75	-5.79	N/A	-6.01	-5.72	N/A	-5.88	-5.84	N/A	0.23	-2.53
		6685		-6.21	-6.09	N/A	-6.00	-5.86	N/A	-6.17	-6.06	N/A	-0.34	-3.26
		6845		-6.10	-5.96	N/A	-6.48	-6.03	N/A	-6.34	-6.28	N/A	-0.40	-3.42
	8	6885		-6.41	-6.68	N/A	-6.73	-6.54	N/A	-6.89	-6.69	N/A	-0.57	-4.10
		7005		-5.07	-5.63	N/A	-4.93	-5.76	N/A	-5.14	-5.48	N/A	-0.74	-3.04
		7085		-3.90	-4.46	N/A	-3.75	-4.74	N/A	-4.02	-4.84	N/A	4.94	5.38

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 37			RU Index 44			RU Index 52				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE80	5	5985	52T	-3.18	-2.93	N/A	-2.67	-2.38	N/A	-3.04	-2.92	N/A	4.17	4.66
		6145		-3.62	-3.45	N/A	-3.24	-3.19	N/A	-3.89	-3.76	N/A	3.08	2.88
		6385		-5.48	-5.19	N/A	-5.26	-5.09	N/A	-6.22	-5.90	N/A	1.47	-0.69
	6	6465		-6.24	-5.77	N/A	-6.04	-5.66	N/A	-6.09	-6.22	N/A	1.47	-1.37
		6545		-6.08	-5.89	N/A	-5.52	-5.83	N/A	-6.06	-6.25	N/A	0.23	-2.43
	7	6625		-6.46	-6.24	N/A	-5.85	-5.85	N/A	-6.59	-6.31	N/A	-0.49	-3.33
		6705		-6.53	-6.03	N/A	-6.24	-5.85	N/A	-6.82	-6.47	N/A	-0.34	-3.37
		6785		-5.96	-5.80	N/A	-5.93	-5.79	N/A	-6.80	-6.64	N/A	-0.40	-3.25
	8	6865		-6.52	-6.59	N/A	-6.54	-6.59	N/A	-7.23	-7.30	N/A	-0.40	-3.94
		6945		-5.77	-5.78	N/A	-5.31	-5.66	N/A	-5.64	-6.18	N/A	-0.57	-3.04
		7025		-5.38	-5.94	N/A	-4.87	-5.51	N/A	-5.26	-6.10	N/A	-0.74	-2.91

- Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
 2. EIRP limit is 24dBm
 3. Duty cycle factor is not applicable for duty cycle > 98%.
 4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
 Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
 Directional gain:
 5925MHz: Directional gain = $10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94$ dBi
 6025MHz: Directional gain = $10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17$ dBi
 6125MHz: Directional gain = $10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08$ dBi
 6225MHz: Directional gain = $10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06$ dBi
 6325MHz: Directional gain = $10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07$ dBi
 6425MHz: Directional gain = $10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47$ dBi
 6525MHz: Directional gain = $10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23$ dBi
 6625MHz: Directional gain = $10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49$ dBi
 6725MHz: Directional gain = $10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34$ dBi
 6825MHz: Directional gain = $10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40$ dBi
 6925MHz: Directional gain = $10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57$ dBi
 7025MHz: Directional gain = $10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74$ dBi
 7125MHz: Directional gain = $10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42$ dBi
 The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
 5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 37			RU Index 44			RU Index 52				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	52T	-4.33	-3.88	N/A	-3.13	-3.07	N/A	-2.69	-2.15	N/A	4.17	4.77
		6185		-4.79	-4.83	N/A	-3.83	-4.10	N/A	-3.61	-3.70	N/A	3.06	2.42
		6345		-5.93	-5.98	N/A	-5.37	-5.01	N/A	-5.05	-4.90	N/A	2.07	0.11
	6	6505		-7.80	-7.13	N/A	-6.62	-6.01	N/A	-5.97	-5.78	N/A	0.23	-2.63
	7	6665		-7.99	-7.70	N/A	-6.76	-6.70	N/A	-5.83	-5.93	N/A	-0.49	-3.36
		6825		-7.21	-6.99	N/A	-6.35	-6.49	N/A	-6.26	-6.10	N/A	-0.40	-3.57
	8	6985		-7.11	-7.26	N/A	-5.86	-6.24	N/A	-5.17	-5.52	N/A	-0.74	-3.07

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S37			RU Index S44			RU Index S52				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	52T	-2.80	-2.32	N/A	-3.29	-2.72	N/A	-4.52	-4.30	N/A	4.17	4.63
		6185		-3.93	-3.60	N/A	-4.63	-4.50	N/A	-6.42	-5.74	N/A	3.06	2.31
		6345		-5.23	-5.00	N/A	-5.77	-5.58	N/A	-7.32	-7.23	N/A	2.07	-0.03
	6	6505		-5.81	-5.82	N/A	-5.97	-6.10	N/A	-7.31	-7.51	N/A	0.23	-2.57
	7	6665		-6.21	-5.69	N/A	-6.64	-6.06	N/A	-7.92	-7.45	N/A	-0.49	-3.42
		6825		-6.32	-6.04	N/A	-7.11	-6.71	N/A	-8.50	-8.67	N/A	-0.40	-3.57
	8	6985		-5.34	-5.76	N/A	-5.40	-6.01	N/A	-6.57	-7.25	N/A	-0.74	-3.27

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94\text{dBi}$$

$$6025\text{MHz: Directional gain} = 10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17\text{dBi}$$

$$6125\text{MHz: Directional gain} = 10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08\text{dBi}$$

$$6225\text{MHz: Directional gain} = 10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06\text{dBi}$$

$$6325\text{MHz: Directional gain} = 10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07\text{dBi}$$

$$6425\text{MHz: Directional gain} = 10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23\text{dBi}$$

$$6625\text{MHz: Directional gain} = 10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49\text{dBi}$$

$$6725\text{MHz: Directional gain} = 10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34\text{dBi}$$

$$6825\text{MHz: Directional gain} = 10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40\text{dBi}$$

$$6925\text{MHz: Directional gain} = 10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57\text{dBi}$$

$$7025\text{MHz: Directional gain} = 10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Tones: 106T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 53			RU Index 54				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE20	5	5955	106T	0.51	0.58	N/A	0.54	0.35	N/A	4.94	8.50
		6175		-0.56	-0.51	N/A	-0.77	-0.54	N/A	3.06	5.54
		6415		-2.49	-2.33	N/A	-2.75	-2.49	N/A	1.47	2.07
	6	6435		-2.81	-2.24	N/A	-3.10	-2.50	N/A	1.47	1.96
		6475		-2.94	-2.67	N/A	-3.05	-2.61	N/A	0.23	0.44
		6515		-2.89	-2.52	N/A	-2.76	-2.59	N/A	0.23	0.57
	7	6535		-3.41	-3.41	N/A	-3.57	-3.38	N/A	0.23	-0.17
		6695		-3.08	-3.01	N/A	-3.27	-2.98	N/A	-0.34	-0.37
		6855		-3.49	-3.39	N/A	-3.49	-3.68	N/A	-0.40	-0.83
	8	6875		-3.54	-3.75	N/A	-3.80	-3.91	N/A	-0.57	-1.20
		6995		-2.19	-2.79	N/A	-2.16	-2.56	N/A	-0.74	-0.09
		7115		-0.60	-1.39	N/A	-7.46	-8.33	N/A	-2.42	-0.39

- Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
 2. EIRP limit is 24dBm
 3. Duty cycle factor is not applicable for duty cycle > 98%.
 4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
 Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
 Directional gain:
 5925MHz: Directional gain = $10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94$ dBi
 6025MHz: Directional gain = $10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17$ dBi
 6125MHz: Directional gain = $10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08$ dBi
 6225MHz: Directional gain = $10 \log[(10^{1.511/10} + 10^{4.310/10})/2] = 3.06$ dBi
 6325MHz: Directional gain = $10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07$ dBi
 6425MHz: Directional gain = $10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47$ dBi
 6525MHz: Directional gain = $10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23$ dBi
 6625MHz: Directional gain = $10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49$ dBi
 6725MHz: Directional gain = $10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34$ dBi
 6825MHz: Directional gain = $10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40$ dBi
 6925MHz: Directional gain = $10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57$ dBi
 7025MHz: Directional gain = $10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74$ dBi
 7125MHz: Directional gain = $10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42$ dBi
 The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
 5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 53			RU Index 54			RU Index 56				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE40	5	5965	106T	0.62	0.73	N/A	0.60	0.63	N/A	0.40	0.65	N/A	4.94	8.63
		6165		-0.42	-0.38	N/A	-0.25	-0.40	N/A	-0.36	-0.58	N/A	3.08	5.77
		6405		-2.51	-2.09	N/A	-2.36	-2.19	N/A	-2.55	-2.61	N/A	1.47	2.21
	6	6445		-3.05	-2.32	N/A	-2.78	-2.61	N/A	-3.07	-2.60	N/A	1.47	1.81
		6485		-2.85	-2.77	N/A	-2.93	-2.60	N/A	-2.99	-2.81	N/A	0.23	0.48
	7	6525		-2.70	-2.79	N/A	-2.93	-2.79	N/A	-2.75	-3.00	N/A	0.23	0.50
		6685		-3.21	-2.93	N/A	-3.35	-3.06	N/A	-3.19	-3.09	N/A	-0.34	-0.40
		6845		-3.35	-3.41	N/A	-3.37	-3.41	N/A	-3.62	-3.52	N/A	-0.40	-0.77
	8	6885		-3.93	-3.66	N/A	-3.92	-3.79	N/A	-3.89	-3.81	N/A	-0.57	-1.35
		7005		-2.19	-2.60	N/A	-2.19	-2.53	N/A	-1.89	-2.71	N/A	-0.74	-0.01
		7085		-0.87	-1.51	N/A	-0.80	-1.57	N/A	-0.90	-1.58	N/A	-2.42	-0.58

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 53			RU Index 56			RU Index 60				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE80	5	5985	106T	0.23	0.35	N/A	0.49	0.49	N/A	0.00	0.42	N/A	4.17	7.67
		6145		-0.60	-0.53	N/A	-0.26	-0.38	N/A	-0.81	-0.82	N/A	3.08	5.77
		6385		-2.48	-2.45	N/A	-2.57	-2.30	N/A	-3.06	-3.03	N/A	1.47	2.05
	6	6465		-3.30	-2.79	N/A	-2.99	-2.52	N/A	-2.98	-2.87	N/A	1.47	1.73
		6545		-3.18	-3.05	N/A	-2.68	-2.84	N/A	-2.90	-2.94	N/A	0.23	0.48
	7	6625		-3.77	-3.32	N/A	-3.24	-2.80	N/A	-3.23	-3.42	N/A	-0.49	-0.49
		6705		-3.31	-3.40	N/A	-3.26	-3.01	N/A	-3.98	-3.22	N/A	-0.34	-0.46
		6785		-3.11	-3.02	N/A	-3.00	-2.88	N/A	-3.67	-3.58	N/A	-0.40	-0.33
	8	6865		-3.15	-3.33	N/A	-3.17	-3.25	N/A	-4.00	-4.03	N/A	-0.40	-0.60
		6945		-2.39	-2.81	N/A	-1.90	-2.33	N/A	-2.40	-2.77	N/A	-0.57	0.33
		7025		-2.24	-2.94	N/A	-1.79	-2.45	N/A	-1.85	-2.80	N/A	-0.74	0.16

- Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
 2. EIRP limit is 24dBm
 3. Duty cycle factor is not applicable for duty cycle > 98%.
 4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
 Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
 Directional gain:
 5925MHz: Directional gain = $10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94$ dBi
 6025MHz: Directional gain = $10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17$ dBi
 6125MHz: Directional gain = $10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08$ dBi
 6225MHz: Directional gain = $10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06$ dBi
 6325MHz: Directional gain = $10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07$ dBi
 6425MHz: Directional gain = $10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47$ dBi
 6525MHz: Directional gain = $10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23$ dBi
 6625MHz: Directional gain = $10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49$ dBi
 6725MHz: Directional gain = $10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34$ dBi
 6825MHz: Directional gain = $10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40$ dBi
 6925MHz: Directional gain = $10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57$ dBi
 7025MHz: Directional gain = $10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74$ dBi
 7125MHz: Directional gain = $10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 53			RU Index 56			RU Index 60				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	106T	-1.08	-0.94	N/A	-0.33	-0.06	N/A	0.39	0.72	N/A	4.17	7.74
		6185		-1.91	-1.67	N/A	-0.87	-1.07	N/A	-0.50	-0.65	N/A	3.06	5.50
		6345		-2.85	-3.17	N/A	-2.07	-2.23	N/A	-1.83	-1.65	N/A	2.07	3.34
	6	6505		-4.41	-4.03	N/A	-3.50	-3.10	N/A	-2.83	-2.35	N/A	0.23	0.66
	7	6665		-4.78	-4.43	N/A	-3.79	-3.71	N/A	-2.86	-2.79	N/A	-0.49	-0.30
		6825		-4.15	-4.18	N/A	-3.48	-3.32	N/A	-3.17	-3.08	N/A	-0.40	-0.51
	8	6985		-4.02	-3.98	N/A	-2.71	-3.06	N/A	-1.91	-2.41	N/A	-0.74	0.12

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S53			RU Index S56			RU Index S60				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	106T	0.45	0.46	N/A	-0.09	0.32	N/A	-1.66	-1.35	N/A	4.17	7.64
		6185		-0.59	-0.43	N/A	-1.50	-1.24	N/A	-3.41	-2.72	N/A	3.06	5.56
		6345		-2.15	-1.87	N/A	-2.67	-2.32	N/A	-4.21	-4.05	N/A	2.07	3.07
	6	6505		-2.76	-2.60	N/A	-2.87	-3.02	N/A	-3.75	-4.19	N/A	0.23	0.56
	7	6665		-3.03	-2.84	N/A	-3.69	-3.14	N/A	-4.96	-4.61	N/A	-0.49	-0.41
		6825		-3.46	-3.17	N/A	-3.94	-4.10	N/A	-5.48	-5.48	N/A	-0.40	-0.70
	8	6985		-2.06	-2.42	N/A	-2.45	-2.78	N/A	-3.14	-4.34	N/A	-0.74	0.03

- Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
 2. EIRP limit is 24dBm
 3. Duty cycle factor is not applicable for duty cycle > 98%.
 4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

- 5925MHz: Directional gain = $10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94\text{dBi}$
- 6025MHz: Directional gain = $10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17\text{dBi}$
- 6125MHz: Directional gain = $10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08\text{dBi}$
- 6225MHz: Directional gain = $10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06\text{dBi}$
- 6325MHz: Directional gain = $10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07\text{dBi}$
- 6425MHz: Directional gain = $10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47\text{dBi}$
- 6525MHz: Directional gain = $10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23\text{dBi}$
- 6625MHz: Directional gain = $10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49\text{dBi}$
- 6725MHz: Directional gain = $10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34\text{dBi}$
- 6825MHz: Directional gain = $10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40\text{dBi}$
- 6925MHz: Directional gain = $10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57\text{dBi}$
- 7025MHz: Directional gain = $10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74\text{dBi}$
- 7125MHz: Directional gain = $10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42\text{dBi}$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Tones: 242T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 61				
				AUX	Main	Duty Cycle Factor (dB) ^{Note 3} 10log(1/X)		
802.11ax-HE20	5	5955	242T	2.39	2.9	N/A	10.60	10.60
		6175		2.48	2.74	N/A	8.68	8.68
		6415		2.37	2.45	N/A	6.89	6.89
	6	6435		1.6	1.99	N/A	6.28	6.28
		6475		1.91	1.75	N/A	5.07	5.07
		6515		1.93	1.81	N/A	5.11	5.11
	7	6535		1.66	2.13	N/A	5.14	5.14
		6695		1.63	1.92	N/A	4.45	4.45
		6855		1.77	1.73	N/A	4.36	4.36
	8	6875		1.14	0.81	N/A	3.42	3.42
		6995		1.14	1.23	N/A	3.46	3.46
		7115		-2.18	-2.73	N/A	-1.86	-1.86

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94\text{dBi}$$

$$6025\text{MHz: Directional gain} = 10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17\text{dBi}$$

$$6125\text{MHz: Directional gain} = 10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08\text{dBi}$$

$$6225\text{MHz: Directional gain} = 10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06\text{dBi}$$

$$6325\text{MHz: Directional gain} = 10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07\text{dBi}$$

$$6425\text{MHz: Directional gain} = 10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23\text{dBi}$$

$$6625\text{MHz: Directional gain} = 10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49\text{dBi}$$

$$6725\text{MHz: Directional gain} = 10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34\text{dBi}$$

$$6825\text{MHz: Directional gain} = 10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40\text{dBi}$$

$$6925\text{MHz: Directional gain} = 10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57\text{dBi}$$

$$7025\text{MHz: Directional gain} = 10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 61			RU Index 62				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE40	5	5965	242T	2.22	2.59	N/A	2.3	2.67	N/A	4.94	10.44
		6165		2.43	2.36	N/A	2.47	2.78	N/A	3.08	8.72
		6405		2.21	2.62	N/A	2.48	2.38	N/A	1.47	6.91
	6	6445		1.67	1.94	N/A	1.65	2.03	N/A	1.47	6.32
		6485		1.85	1.83	N/A	1.73	2.02	N/A	0.23	5.12
	7	6525		1.86	1.81	N/A	2.09	2.61	N/A	0.23	5.60
		6685		1.62	1.69	N/A	1.69	1.57	N/A	-0.34	4.33
		6845		1.59	1.25	N/A	1.61	1.38	N/A	-0.40	4.11
	8	6885		1.11	0.8	N/A	1.02	0.75	N/A	-0.57	3.40
		7005		0.94	1.28	N/A	0.94	1.23	N/A	-0.74	3.38
		7085		1.5	1.34	N/A	1.27	1.31	N/A	-2.42	2.01

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 61			RU Index 62			RU Index 64				
				AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3}		
802.11ax-HE80	5	5985	242T	2.41	2.72	N/A	2.5	2.79	N/A	2.23	2.62	N/A	4.17	9.83
		6145		2.48	2.74	N/A	2.7	2.61	N/A	2.26	2.43	N/A	3.08	8.75
		6385		2.23	2.53	N/A	2.5	2.68	N/A	2.42	2.5	N/A	1.47	7.07
	6	6465		1.64	1.97	N/A	2.72	3.03	N/A	1.61	1.82	N/A	1.47	7.36
		6545		1.79	1.88	N/A	2.86	2.88	N/A	2.25	2.33	N/A	0.23	6.11
	7	6625		1.35	1.54	N/A	1.81	1.8	N/A	1.73	1.79	N/A	-0.49	4.33
		6705		1.64	1.85	N/A	1.69	2.17	N/A	1.72	1.82	N/A	-0.34	4.61
		6785		1.63	1.68	N/A	1.91	2.01	N/A	1.66	1.46	N/A	-0.40	4.57
	8	6865		1.68	1.43	N/A	2.14	1.79	N/A	1.08	1.04	N/A	-0.40	4.58
		6945		1.23	0.9	N/A	1.9	1.75	N/A	1.09	1.32	N/A	-0.57	4.27
		7025		1.1	1.39	N/A	2.02	2.38	N/A	1.21	1.23	N/A	-0.74	4.47

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94\text{dBi}$$

$$6025\text{MHz: Directional gain} = 10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17\text{dBi}$$

$$6125\text{MHz: Directional gain} = 10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08\text{dBi}$$

$$6225\text{MHz: Directional gain} = 10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06\text{dBi}$$

$$6325\text{MHz: Directional gain} = 10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07\text{dBi}$$

$$6425\text{MHz: Directional gain} = 10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23\text{dBi}$$

$$6625\text{MHz: Directional gain} = 10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49\text{dBi}$$

$$6725\text{MHz: Directional gain} = 10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34\text{dBi}$$

$$6825\text{MHz: Directional gain} = 10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40\text{dBi}$$

$$6925\text{MHz: Directional gain} = 10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57\text{dBi}$$

$$7025\text{MHz: Directional gain} = 10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 61			RU Index 62			RU Index 64				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	242T	2.6	2.88	N/A	2.72	3.12	N/A	2.11	3.02	N/A	4.17	10.10
		6185		2.27	2.77	N/A	2.57	3.1	N/A	2.37	2.59	N/A	3.06	8.91
		6345		2.28	2.74	N/A	2.28	3.16	N/A	2.01	2.83	N/A	2.07	7.82
	6	6505		1.65	2.02	N/A	2.7	2.94	N/A	1.77	1.81	N/A	0.23	6.06
	7	6665		1.5	1.97	N/A	2.07	1.94	N/A	1.54	1.81	N/A	-0.49	4.53
		6825		1.87	1.99	N/A	2.08	2.05	N/A	1.57	1.49	N/A	-0.40	4.68
	8	6985		1.17	1.06	N/A	2.12	2.34	N/A	1.11	1.41	N/A	-0.74	4.50

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S61			RU Index S62			RU Index S64				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	242T	2.35	2.88	N/A	2.38	2.88	N/A	2.58	2.88	N/A	4.17	9.91
		6185		2.27	2.83	N/A	2.14	2.62	N/A	2.39	2.64	N/A	3.06	8.63
		6345		2.05	2.9	N/A	1.99	2.42	N/A	2.11	2.55	N/A	2.07	7.58
	6	6505		1.73	2.1	N/A	2.32	2.53	N/A	2.35	2.76	N/A	0.23	5.80
	7	6665		1.71	1.77	N/A	1.68	1.67	N/A	1.65	1.91	N/A	-0.49	4.30
		6825		1.91	1.59	N/A	1.59	1.88	N/A	0.93	1.07	N/A	-0.40	4.36
	8	6985		1.07	1.07	N/A	1.75	1.88	N/A	1.26	1.06	N/A	-0.74	4.09

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94\text{dBi}$$

$$6025\text{MHz: Directional gain} = 10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17\text{dBi}$$

$$6125\text{MHz: Directional gain} = 10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08\text{dBi}$$

$$6225\text{MHz: Directional gain} = 10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06\text{dBi}$$

$$6325\text{MHz: Directional gain} = 10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07\text{dBi}$$

$$6425\text{MHz: Directional gain} = 10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23\text{dBi}$$

$$6625\text{MHz: Directional gain} = 10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49\text{dBi}$$

$$6725\text{MHz: Directional gain} = 10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34\text{dBi}$$

$$6825\text{MHz: Directional gain} = 10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40\text{dBi}$$

$$6925\text{MHz: Directional gain} = 10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57\text{dBi}$$

$$7025\text{MHz: Directional gain} = 10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Tones: 484T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}	
				RU Index 65					
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}			
802.11ax-HE40	5	5965	484T	5.2	5.43	N/A	4.94	13.27	
		6165		5.35	5.31	N/A	3.08	11.42	
		6405		5.22	5.54	N/A	1.47	9.86	
	6	6445		5.16	5.07	N/A	1.47	9.60	
		6485		5.36	5.22	N/A	0.23	8.53	
		6525		5.3	5.44	N/A	0.23	8.61	
	7	6685		4.75	4.46	N/A	-0.34	7.28	
		6845		4.69	4.29	N/A	-0.4	7.10	
		6885		4.3	4.31	N/A	-0.57	6.75	
		7005		4.35	4.84	N/A	-0.74	6.87	
		8		7085	4.81	4.57	N/A	-2.42	5.28

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 65			RU Index 66				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	484T	5.5	5.51	N/A	5.36	5.39	N/A	4.17	12.69
		6145		5.29	5.26	N/A	5.52	5.27	N/A	3.08	11.49
		6385		5.05	5.37	N/A	5.38	5.26	N/A	1.47	9.80
	6	6465		5.26	5.38	N/A	5.35	5.33	N/A	1.47	9.82
		6545		5.31	5.35	N/A	5.28	5.18	N/A	0.23	8.57
		6625		4.56	4.44	N/A	4.46	4.72	N/A	-0.49	7.11
	7	6705		4.41	4.46	N/A	4.66	4.31	N/A	-0.34	7.16
		6785		4.62	5.65	N/A	4.75	4.52	N/A	-0.40	7.78
		6865		4.69	4.36	N/A	4.49	4.41	N/A	-0.40	7.14
	8	6945		4.58	4.67	N/A	4.68	4.45	N/A	-0.57	7.07
		7025		4.53	4.7	N/A	4.46	4.69	N/A	-0.74	6.89

- Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
 2. EIRP limit is 24dBm
 3. Duty cycle factor is not applicable for duty cycle > 98%.
 4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
 Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
 Directional gain:
 5925MHz: Directional gain = $10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94$ dBi
 6025MHz: Directional gain = $10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17$ dBi
 6125MHz: Directional gain = $10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08$ dBi
 6225MHz: Directional gain = $10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06$ dBi
 6325MHz: Directional gain = $10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07$ dBi
 6425MHz: Directional gain = $10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47$ dBi
 6525MHz: Directional gain = $10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23$ dBi
 6625MHz: Directional gain = $10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49$ dBi
 6725MHz: Directional gain = $10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34$ dBi
 6825MHz: Directional gain = $10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40$ dBi
 6925MHz: Directional gain = $10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57$ dBi
 7025MHz: Directional gain = $10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74$ dBi
 7125MHz: Directional gain = $10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42$ dBi
 The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
 5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 65			RU Index 66				
				AUX	Main	Duty Cycle Factor (dB) ^{Note 3} 10log(1/X)	AUX	Main	Duty Cycle Factor (dB) ^{Note 3} 10log(1/X)		
802.11ax-HE160 (80L)	5	6025	484T	5.41	5.49	N/A	5.25	5.49	N/A	4.17	12.63
		6185		5.53	5.47	N/A	5.37	5.32	N/A	3.06	11.57
		6345		4.92	5.51	N/A	5.16	5.39	N/A	2.07	10.36
	6	6505		5.31	5.3	N/A	5.2	5.15	N/A	0.23	8.55
	7	6665		4.51	4.57	N/A	4.43	4.67	N/A	-0.49	7.07
		6825		4.62	4.39	N/A	4.46	4.49	N/A	-0.40	7.12
	8	6985		4.55	4.59	N/A	4.73	4.71	N/A	-0.74	6.99

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S65			RU Index S66				
				AUX	Main	Duty Cycle Factor (dB) ^{Note 3} 10log(1/X)	AUX	Main	Duty Cycle Factor (dB) ^{Note 3} 10log(1/X)		
802.11ax-HE160 (80H)	5	6025	484T	5.3	5.31	N/A	5.47	5.6	N/A	4.17	12.72
		6185		5.25	5.51	N/A	5.38	5.47	N/A	3.06	11.50
		6345		5.12	5.28	N/A	5	5.41	N/A	2.07	10.29
	6	6505		5.1	5.21	N/A	5.39	5.47	N/A	0.23	8.67
	7	6665		4.65	4.67	N/A	4.65	4.66	N/A	-0.49	7.18
		6825		4.54	4.39	N/A	4.41	4.22	N/A	-0.40	7.08
	8	6985		4.51	4.77	N/A	4.52	4.66	N/A	-0.74	6.91

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94\text{dBi}$$

$$6025\text{MHz: Directional gain} = 10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17\text{dBi}$$

$$6125\text{MHz: Directional gain} = 10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08\text{dBi}$$

$$6225\text{MHz: Directional gain} = 10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06\text{dBi}$$

$$6325\text{MHz: Directional gain} = 10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07\text{dBi}$$

$$6425\text{MHz: Directional gain} = 10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23\text{dBi}$$

$$6625\text{MHz: Directional gain} = 10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49\text{dBi}$$

$$6725\text{MHz: Directional gain} = 10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34\text{dBi}$$

$$6825\text{MHz: Directional gain} = 10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40\text{dBi}$$

$$6925\text{MHz: Directional gain} = 10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57\text{dBi}$$

$$7025\text{MHz: Directional gain} = 10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

Tones: 996T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 67				
				AUX	Main	Duty Cycle Factor (dB) ^{Note 3} 10log(1/X)		
802.11ax-HE80	5	5985	996T	7.24	6.65	N/A	4.17	14.14
		6145		7.18	6.45	N/A	3.08	12.92
		6385		7.2	6.8	N/A	1.47	11.48
	6	6465		6.99	6.53	N/A	1.47	11.25
		6545		6.83	6.57	N/A	0.23	9.94
		6625		6.12	5.79	N/A	-0.49	8.48
	7	6705		6.05	5.78	N/A	-0.34	8.59
		6785		6.07	5.62	N/A	-0.40	8.46
		6865		5.59	5.2	N/A	-0.40	8.01
	8	6945		6.06	5.74	N/A	-0.57	8.34
		7025		5.92	5.83	N/A	-0.74	8.15

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 67			RU Index S67				
				AUX	Main	Duty Cycle Factor (dB) ^{Note 3} 10log(1/X)	AUX	Main	Duty Cycle Factor (dB) ^{Note 3} 10log(1/X)		
802.11ax-HE160	5	6025	996T	6.9	6.7	N/A	7.09	6.67	N/A	4.17	14.07
		6185		7.13	6.43	N/A	7.04	6.61	N/A	3.06	12.90
		6345		6.83	6.5	N/A	7.06	6.72	N/A	2.07	11.97
	6	6505		6.79	6.4	N/A	6.6	6.47	N/A	0.23	9.84
		6665		6.09	5.7	N/A	6.07	5.8	N/A	-0.49	8.46
	7	6825		6.07	5.6	N/A	5.67	5.34	N/A	-0.40	8.45
		6985		6.09	5.74	N/A	5.89	5.66	N/A	-0.74	8.19

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{3.389/10} + 10^{6.086/10})/2] = 4.94\text{dBi}$$

$$6025\text{MHz: Directional gain} = 10 \log[(10^{3.399/10} + 10^{4.882/10})/2] = 4.17\text{dBi}$$

$$6125\text{MHz: Directional gain} = 10 \log[(10^{1.503/10} + 10^{4.233/10})/2] = 3.08\text{dBi}$$

$$6225\text{MHz: Directional gain} = 10 \log[(10^{1.311/10} + 10^{4.310/10})/2] = 3.06\text{dBi}$$

$$6325\text{MHz: Directional gain} = 10 \log[(10^{-0.913/10} + 10^{3.824/10})/2] = 2.07\text{dBi}$$

$$6425\text{MHz: Directional gain} = 10 \log[(10^{-0.235/10} + 10^{2.696/10})/2] = 1.47\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.526/10} + 10^{0.877/10})/2] = 0.23\text{dBi}$$

$$6625\text{MHz: Directional gain} = 10 \log[(10^{-0.481/10} + 10^{-0.490/10})/2] = -0.49\text{dBi}$$

$$6725\text{MHz: Directional gain} = 10 \log[(10^{0.278/10} + 10^{-1.049/10})/2] = -0.34\text{dBi}$$

$$6825\text{MHz: Directional gain} = 10 \log[(10^{0.716/10} + 10^{-1.896/10})/2] = -0.40\text{dBi}$$

$$6925\text{MHz: Directional gain} = 10 \log[(10^{0.701/10} + 10^{-2.361/10})/2] = -0.57\text{dBi}$$

$$7025\text{MHz: Directional gain} = 10 \log[(10^{0.087/10} + 10^{-1.759/10})/2] = -0.74\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{-1.074/10} + 10^{-4.391/10})/2] = -2.42\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

A.4.2 Measurement Plots

- OFDM Modulation













